

ABSTRACT

Light source monitoring apparatus includes a light source having drive electronics for supplying drive current to the light source. A monitor diode is connected to the drive electronics for controlling the amount of drive current supplied to the light source. A lens system is positioned to receive the beam of light from the light source and transmit substantially all of the beam of light along an optical axis to a light terminal. The lens system includes a first lens element positioned along the optical axis and adjacent the light source and a second lens element positioned along the optical axis and adjacent the light terminal. A light reflecting surface in the lens system is positioned along the optical axis to reflect a portion of the beam of light at an angle to the optical axis onto the monitor diode.

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